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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,225	01/26/2004	Hong-chan Park	1349.1352	6551

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EXAMINER

CAO, CHUN

ART UNIT	PAPER NUMBER
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2115

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/12/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/763,225	PARK ET AL.	
	Examiner	Art Unit	
	Chun Cao	2115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 5-21 is/are rejected.
- 7) ☒ Claim(s) 4 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-21 are presented for examination.
2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. The current title is imprecise.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-3, 5, 6, 10-15 and 19-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Iwata (Iwata), U.S. patent no. 6,865,621.

As per claim 1, Iwata discloses a mobile device [a laptop computer, col. 4, line 40], comprising:

a plurality of modules [figures 1, 3; col. 4, lines 22-55];

a control unit executing a predetermined program that uses at least one of the plurality of modules based on a program initiation control signal [col. 2, lines 25-31; col. 6, lines 36-45];

a power supply providing power to drive the plurality of modules; and a power control unit receiving information on the program that is executed by the control unit and

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selectively, based on predetermined selection information, supplying the power to the at least one module [col. 3, lines 15-34; col. 6, lines 36-54; col. 7, lines 15-19].

As per claim 2, Iwata discloses that the predetermined selection information limits power consumption of the mobile device to only modules necessary for the predetermined program execution [col. 3, lines 15-34; col. 6, lines 36-54; col. 7, lines 15-19].

As per claim 3, Iwata discloses that the predetermined selection information comprises information on which modules are to be driven based on the information from the control unit of which program has been executed [col. 3, lines 15-34; col. 6, lines 36-54; col. 7, lines 15-19].

As per claim 5, Iwata discloses that any one of the plurality of modules visually displays a result obtained by processing the executed program [col. 4, line 48; col. 6, lines 15-23].

As per claim 6, Iwata discloses that any one of the of the plurality of modules comprises a display device for the visual displaying of the result obtained by the processing of the executed program [col. 4, line 48; col. 6, lines 15-23].

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 7-9, 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iwata (Iwata), U.S. patent no. 6,865,621 in view of Silvester (Silvester), US patent no. 6,631,469.

As per claim 7, Iwata does not explicitly disclose a display device controlled by the control unit to display a menu window for setting the predetermined selection information.

Silvester discloses that a display device controlled by the control unit to display a menu window for setting the predetermined selection information [fig. 4; col. 3, lines 29-50].

It would have been obvious to one of ordinary skill in the art at time the invention to combine the teachings of Iwata and Silvester because they both teach power consumption of a portable computer system, and the specific teachings of Silvester stated above would optimize the performance of Iwata system by allowing a user to set the selection information.

As per claim 8, Silvester discloses that the menu window comprises a menu displaying the respective modules; a check box menu provided on one side of the displayed menu; and a setting menu selecting and modifying a value set in the check box menu [fig. 4; col. 3, lines 29-50].

As per claim 9, Silvester discloses that the setting menu modifies which modules are to be powered when at least the predetermined program is executed [col. 3, lines 29-50].

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As to claims 10-18, claims 1-3 and 5-9 basically are the corresponding elements that are carried out the method of operating steps in claims 10-18. Accordingly, claims 10-18 are rejected for the same reason as set forth in claims 1-3 and 5-9.

As to claims 19- 21, Iwata teaches the claimed method of steps. Therefore, Iwata teaches the recording medium storing a computer program to carry out the method of steps.

Allowable Subject Matter

7. Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao whose telephone number is 571-272-3664. The examiner can normally be reached on Monday-Friday from 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Feb. 8 2007

A handwritten signature in black ink, appearing to read 'Chun Cao', is positioned above the printed name and title.

CHUN CAO
PRIMARY EXAMINER